

Title (en)

ANTI-REVERSE MECHANISM FOR MUD MOTOR

Title (de)

RÜCKLAUFSPERRE FÜR EINEN SCHLAMMMOTOR

Title (fr)

MÉCANISME ANTI-MARCHE ARRIÈRE POUR MOTEUR À BOUE

Publication

EP 2917446 A1 20150916 (EN)

Application

EP 12814097 A 20121221

Priority

US 2012071282 W 20121221

Abstract (en)

[origin: WO2014098899A1] Disclosed are systems and methods for prevent backdriving of a mud motor through its output. One disclosed mud motor may include a housing having a longitudinal axis, a rotor disposed within the housing and configured to rotate generally about the longitudinal axis in a first direction with respect to the housing when a flow of fluid is provided to the power generator, an output shaft at least partially disposed within the housing and coupled to the rotor, and an anti-reverse bearing arranged radially between the output shaft and the housing and configured to support the output shaft within the housing and allow rotation of the output shaft in the first direction but resist rotation of the output shaft in a second direction about the longitudinal axis with respect to the housing, the second direction being opposite the first direction.

IPC 8 full level

E21B 4/00 (2006.01)

CPC (source: CN EP RU US)

E21B 4/003 (2013.01 - CN EP RU US); **E21B 4/02** (2013.01 - RU US)

Citation (search report)

See references of WO 2014098899A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014098899 A1 20140626; AU 2012397242 A1 20150430; AU 2012397242 B2 20160512; BR 112015007869 A2 20170704; CA 2888530 A1 20140626; CA 2888530 C 20171010; CN 104755689 A 20150701; CN 104755689 B 20160824; EP 2917446 A1 20150916; EP 2917446 B1 20170927; RU 2602245 C1 20161110; US 2015218885 A1 20150806; US 9217286 B2 20151222

DOCDB simple family (application)

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